

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT		Docket Number (Optional) FTP163R US
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Slais et al.		
Patent Number 6,386,593B1	Date Patent Issued May 14, 2002	
Title of Invention Dual-Plane Seal for Fluid-Tight Conduit Connection		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p>		
<p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
<p style="text-align: right;">Hutchinson FTS, Inc.</p> <p>The assignee(s) owning an undivided interest in said original patent is/are _____, and the assignee(s) consents to the accompanying application for reissue.</p>		
Name of assignee/inventor (if not assigned)		
Signature 	Date 5/3/04.	
Typed or printed name and title of person signing for assignee (if assigned)		
Sean J. Canty, Chief Financial Officer		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY THE ASSIGNEE	Docket Number (optional) FTP163R US
--	--

I hereby declare that:

The residence, mailing address and citizenship of the inventors are stated below.

I am authorized to act on behalf of the following assignee: Hutchinson FTS, Inc.and the title of my position with said assignee is: Chief Financial Officer

The entire title to the patent identified below is vested in said assignee.

Inventor <u>Robert J. Slais</u>	Citizenship <u>USA</u>
Residence/Mailing Address <u>4372 Welland Drive, West Bloomfield, MI 48323</u>	
Inventor <u>Johnny R. Blankenship</u>	Citizenship <u>USA</u>
Residence/Mailing Address <u>115 Ledbetter Lane, Allons, TN 38541</u>	
<input checked="" type="checkbox"/> Additional Inventors are named on separately numbered sheets attached hereto.	
Patent Number <u>6,386,593B1</u>	Date of Patent Issued <u>May 14, 2002</u>
Title of Invention <u>Dual-Plane Seal for Fluid-Tight Conduit Connection</u>	

I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled:

Dual-Plane Seal for Fluid-Tight Conduit Connection

the specification of which

 is attached hereto. was filed on _____ as reissue application number _____ / _____and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

 I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

 by reason of a defective specification or drawing. by reason of the patentee claiming more or less than he had the right to claim in the patent. by reason of other errors.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY THE ASSIGNEEDocket Number (Optional)
FTP163R US

At least one error upon which reissue is based is described as follows:

The patentee failed to claim more than what he had a right to claim in the patent as issued.

[Attach additional sheets, if needed.]

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby appoint:



Practitioners at Customer Number:

21133

OR



Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Correspondence Address: Direct all communications about the application to:



Customer Number:

21133

OR



Firm or Individual Name

Address

Address

City

State

Zip

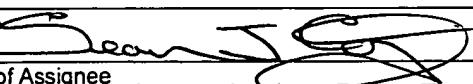
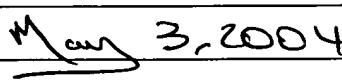
Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of person signing (given name, family name) Sean J. Carty

Signature Date 

Address of Assignee

1835 Technology Drive, Troy, MI 48083

Patent No. 6,386,593B1
Issue Date: May 14, 2002
Inventor: Slais et al.
Title: Dual-Plane Seal for Fluid-tight Conduit Connection

REISSUE APPLICATION DECLARATION BY THE ASSIGNEE (Continued)		Docket Number <u>FTP163R US</u>
Additional Inventor(s)		
Inventor	Chhotubhai N. Patel	Citizenship USA
Residence/Mailing Address 219 W. Desert Flower Lane, Phoenix, AZ 85045		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Slais et al.Application No./Patent No.: 6,386,593B1 Filed/Issue Date: May 14, 2002Entitled: DUAL-PLANE SEAL FOR FLUID-TIGHT CONDUIT CONNECTIONHutchinson FTS, Inc. a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or2. an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010517, Frame 0369, or for which a copy thereof is attached.**OR**B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Slais et al. To: Automotive Fluid Systems, Inc.
 The document was recorded in the United States Patent and Trademark Office at Reel 010517, Frame 0369, or for which a copy thereof is attached.
2. From: Automotive Fluid Sys., Inc. To: Hutchinson FTS, Inc.
 The document was recorded in the United States Patent and Trademark Office at Reel 014402, Frame 0979, or for which a copy thereof is attached.
3. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 3, 2004

Date

2485973660

Telephone number

Sean J. Carty

Typed or printed name



Signature

Chief Financial Officer

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

RECEIVED

APR 15 2000

VANOPHEM MEEHAN, P.C.

APRIL 11, 2000



PTAS

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



101261743A

REMY J. VANOPHEM
755 W. BIG BEAVER ROAD
SUITE 1313
TROY, MI 48084-4903

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/15/1999

REEL/FRAME: 010517/0369

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SLAIS, ROBERT J.

DOC DATE: 09/21/1999

ASSIGNOR:

BLANKENSHIP, JOHNNY R.

DOC DATE: 09/21/1999

ASSIGNOR:

PATEL, CHHOTUBHAI N.

DOC DATE: 09/21/1999

ASSIGNEE:

AUTOMOTIVE FLUID SYSTEMS, INC.
1835 TECHNOLOGY DRIVE
TROY, MICHIGAN 48083-4244

SERIAL NUMBER: 09430507

FILING DATE: 10/29/1999

PATENT NUMBER:

ISSUE DATE:

ASSIGNMENT

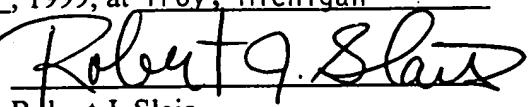
WHEREAS, we, Robert J. Slais, residing at 4372 Welland Drive, West Bloomfield, Michigan 48323; Johnny R. Blankenship, residing at 115 Ledbetter Lane, Allons, Tennessee, 38541 and Chhotubhai N. Patel, residing at 38975 Empire Ct., Farmington Hills, Michigan 48331 have invented certain improvements in a Dual-Plane Seal For Fluid-Tight Conduit Connection for which we have executed an application for United States Patent;

AND, WHEREAS Automotive Fluid Systems, Inc., a corporation of Delaware, having an office at 1835 Technology Drive, Troy, Michigan 48083-4244, (herein called AUTOMOTIVE) has previously acquired the entire right, title and interest in and to said improvements pursuant to an in compliance with the provisions of our employee patent agreements heretofore executed by us and desires to confirm said acquisition;

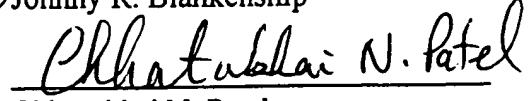
NOW, THEREFORE, pursuant to and in compliance with the provisions of said employee patent agreements, by these presents we do formally assign and transfer unto AUTOMOTIVE the entire right and interest in and to said improvements, as described in said application, including patentable subject matter disclosed in said application, and in and to all patentable and future domestic and foreign applications and patents therefor, including any and all reissues, divisions and continuations thereof, and we agree to sign all papers and perform all acts, without any further consideration, as AUTOMOTIVE may deem necessary to make this assignment fully effective, including the execution of reissue, divisional and continuing domestic applications and of foreign applications; and we hereby request the Commissioner of Patents to issue all Letters Patent granted on said applications to AUTOMOTIVE as the assignee, for the sole use and behoof of AUTOMOTIVE and its legal representatives and assigns, and we hereby authorize any one of our attorneys, Remy J. VanOphem, PTO Reg. 27053, and Thomas A Meehan, PTO Reg. 19713 to insert on this Assignment the filing date and serial number of said application when known.

Except as set forth herein and in said employee patent agreements, there are no other agreements or understandings, express or implied, between AUTOMOTIVE or its direct or indirect subsidiaries and ourselves with respect to said improvements.

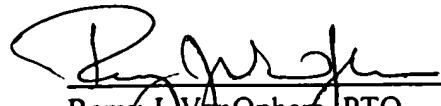
Executed this 21st day of September, 1999, at Troy, Michigan


Robert J. Slais


Johnny R. Blankenship


Chhotubhai N. Patel

The above Assignment covers application Serial No. 09/430,507
filed October 29, 1999.


Remy J. VanOphem, PTO
Reg. 27053
Attorney for Inventor

02-04-2000

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or



101261743

1. Name of conveying party(ies):

Robert J. Slais, Johnny R. Blankenship
and Chhotubhai N. Patel

2. Name and address of receiving party(ies):

Name:

Automotive Fluid Systems, Inc.

Internal Address:

Additional name(s) of
Conveying Party(ies) attached? [] Yes [X] No

3. Nature of Conveyance:

[X] Assignment [] Merger

[] Security Agreement [] Change of
Name

[] Other

Street Address:

1835 Technology Drive

City: Troy State: MI ZIP: 48083-4244

Additional name(s) & address(es) attached?

[] Yes [X] No

Execution Date: September 21, 1999

4. Application number(s) or patent number(s):

09/430,507

If this document is being filed together with a new application
the execution date of the application is:

A. Patent Application No.(s)

Additional Numbers attached?

B. Patent No.(s)

[] Yes [] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Remy J. VanOphem

charged

Street Address: 755 W. Big Beaver RoadSuite 1313City: Troy State: MI ZIP: 48084-4903

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)..... \$40.00

[X] Enclosed [] Authorized to be

to deposit account

8. Deposit Account Number 22-0212

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Remy J. VanOphem

Name of Person Signing

Signature

12-15-99

Date

Total number of pages comprising cover sheet [2]

OMB No. 0651-0011 (exp. 4/94)

Do Not Detach This Portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

02/03/2000 DNGUYEN 00000312 09430507

01 FC:581



RECEIVED
MAR 22 2004
VANOPHEM MEEHAN, P.C.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 11, 2004

PTAS



102534923A

REMY J. VANOPHEM
755 W. BIG BEAVER
STE. 1313
TROY, MI 48084

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/20/2003

REEL/FRAME: 014402/0979
NUMBER OF PAGES: 3

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AUTOMOTIVE FLUID SYSTEMS

DOC DATE: 02/13/2003

ASSIGNEE:

HUTCHINSON FTS, INC.
1835 TECHNOLOGY DRIVE
TROY, MICHIGAN 48083-4244

1391¹ SERIAL NUMBER: 09393482
PATENT NUMBER:

FILING DATE: 09/10/1999
ISSUE DATE:

152² SERIAL NUMBER: 09430574
PATENT NUMBER:

FILING DATE: 10/29/1999
ISSUE DATE:

160³ SERIAL NUMBER: 09684210
PATENT NUMBER:

FILING DATE: 10/06/2000
ISSUE DATE:

014402/0979 PAGE 2

SERIAL NUMBER: 10012123
PATENT NUMBER: 6568204

FILING DATE: 10/30/2001
ISSUE DATE: 05/27/2003

SERIAL NUMBER: 10310172
PATENT NUMBER: 6568204

FILING DATE: 12/04/2002
ISSUE DATE:

SERIAL NUMBER: 09977149
PATENT NUMBER: 6579351

FILING DATE: 10/12/2001
ISSUE DATE: 06/17/2003

SERIAL NUMBER: 07877832
PATENT NUMBER: 5245842

FILING DATE: 05/01/1992
ISSUE DATE: 09/21/1993

SERIAL NUMBER: 08125920
PATENT NUMBER: 5375327

FILING DATE: 09/23/1993
ISSUE DATE: 12/27/1994

SERIAL NUMBER: 07879808
PATENT NUMBER: 5282370

FILING DATE: 05/07/1992
ISSUE DATE: 02/01/1994

SERIAL NUMBER: 08139571
PATENT NUMBER: 5419157

FILING DATE: 10/20/1993
ISSUE DATE: 05/30/1995

SERIAL NUMBER: 08260525
PATENT NUMBER: 5471854

FILING DATE: 06/16/1994
ISSUE DATE: 12/05/1995

SERIAL NUMBER: 08926957
PATENT NUMBER: 5860681

FILING DATE: 09/10/1997
ISSUE DATE: 01/19/1999

SERIAL NUMBER: 09046344
PATENT NUMBER: 6125651

FILING DATE: 03/23/1998
ISSUE DATE: 10/03/2000

SERIAL NUMBER: 09334320
PATENT NUMBER: 6328073

FILING DATE: 06/16/1999
ISSUE DATE: 12/11/2001

SERIAL NUMBER: 08970404
PATENT NUMBER: 5970738

FILING DATE: 11/14/1997
ISSUE DATE: 10/26/1999

SERIAL NUMBER: 06804401
PATENT NUMBER: 4675971

FILING DATE: 12/03/1985
ISSUE DATE: 06/30/1987

SERIAL NUMBER: 06529794
PATENT NUMBER: 4628704

FILING DATE: 09/06/1983
ISSUE DATE: 12/16/1986

SERIAL NUMBER: 08721829
PATENT NUMBER: 5855293

FILING DATE: 09/27/1996
ISSUE DATE: 01/05/1999

SERIAL NUMBER: 09190544
PATENT NUMBER: 6199261

FILING DATE: 11/12/1998
ISSUE DATE: 03/13/2001

SERIAL NUMBER: 08707781
PATENT NUMBER: 5904055

FILING DATE: 09/16/1996
ISSUE DATE: 05/18/1999

SERIAL NUMBER: 08962106
PATENT NUMBER: 6041618

FILING DATE: 10/31/1997
ISSUE DATE: 03/28/2000

014402/0979 PAGE 3

SERIAL NUMBER: 08868794
PATENT NUMBER: 5787729

SERIAL NUMBER: 09544856
PATENT NUMBER: 6311514

SERIAL NUMBER: 08701174
PATENT NUMBER: 5746065

SERIAL NUMBER: 09420481
PATENT NUMBER: 6167720

SERIAL NUMBER: 09346066
PATENT NUMBER: 6308736

SERIAL NUMBER: 09014641
PATENT NUMBER: 5966810

SERIAL NUMBER: 09026363
PATENT NUMBER: 5984376

SERIAL NUMBER: 09430575
PATENT NUMBER: 6318765

SERIAL NUMBER: 09430790
PATENT NUMBER: 6193283

SERIAL NUMBER: 09430152
PATENT NUMBER: 6431614

SERIAL NUMBER: 09941482
PATENT NUMBER: 6481241

SERIAL NUMBER: 09430507
PATENT NUMBER: 6386593

SERIAL NUMBER: 09942331
PATENT NUMBER: 6438972

138 A X

140 A

142 A X

143 A

144 A

146 A

149 A

150 A

155 A

157 A

161 A

163 A

165 A

FILING DATE: 06/04/1997
ISSUE DATE: 08/04/1998

FILING DATE: 04/07/2000
ISSUE DATE: 11/06/2001

FILING DATE: 08/21/1996
ISSUE DATE: 05/05/1998

FILING DATE: 10/19/1999
ISSUE DATE: 01/02/2001

FILING DATE: 07/01/1999
ISSUE DATE: 10/30/2001

FILING DATE: 01/28/1998
ISSUE DATE: 10/19/1999

FILING DATE: 02/19/1998
ISSUE DATE: 11/16/1999

FILING DATE: 10/29/1999
ISSUE DATE: 11/20/2001

FILING DATE: 10/29/1999
ISSUE DATE: 02/27/2001

FILING DATE: 10/29/1999
ISSUE DATE: 08/13/2002

FILING DATE: 08/29/2001
ISSUE DATE: 11/19/2002

FILING DATE: 10/29/1999
ISSUE DATE: 05/14/2002

FILING DATE: 08/29/2001
ISSUE DATE: 08/27/2002

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

To the Honorable Commissioner
Please record

102534923

copy thereof:

P-2003

1. Name of conveying party(s):

Automotive Fluid Systems

FINANCE SECTION

Additional name(s) of

Conveying Party(ies) attached? Yes No

3. Nature of Conveyance:

 Assignment Merger Security Agreement Change of Name Other

Execution Date: February 13, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application
the execution date of the application is: _____A. Patent Application No.(s) 09/393,482

Additional Numbers attached?

B. Patent No.(s) 5,245,842 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Remy J. VanOphem
Street Address: 755 West Big Beaver
Suite 1313
City: Troy, Michigan 48084

6. Total number of

applications and patents involved: [34]

7. Total fee (37 CFR 3.41)..... \$1,360.00

 Enclosed Authorized to be charged to deposit account8. Deposit Account Number 22-0212

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Remy J. VanOphem
Name of Person SigningSignature _____ Date August 14, 2003

Signature

Date

Total number of pages comprising cover sheet [1]

OMB No. 0651-0011 (exp. 4/94)

Do Not Detach This Portion

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents

Box Assignments

Washington, D.C. 20231

08/22/2003 ECOOPER 00000136 09393482

1360.00 IP

**PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No(s):	09/430,574	09/684,210	10/012,123	10/310,172	09/977,149
Patent No(s):	5,375,327	5,282,370	5,419,157	5,471,854	5,860,681
	6,125,651	6,328,073 B1	5,970,738	4,675,971	4,628,704
	5,855,293	6,199,261 B1	5,904,055	6,041,618	5,787,729
	6,311,514 B1	5,746,065	6,167,720	6,308,736 B1	5,966,810
	5,984,376	6,318,765	6,193,283	6,431,614 B1	6,481,241 B1
	6,386,593 B1	6,438,972 B1			

Date: August 14, 2003

Name Change Recordation Transmittal

COMMISSIONER for PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450
Attn: Mail Stop Assignments

Sir:

Transmitted herewith is a Conveyance - Name Change to be recorded in the United States Patent and Trademark Office from Automotive Systems, Inc. to Hutchinson FTS, Inc. A check in the amount of \$1,360.00 for the recordation fee is enclosed.

Respectfully submitted,

VANOPHEM & VANOPHEM, P.C.

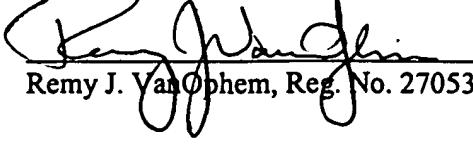
755 W. Big Beaver Rd.
Suite 1313
Troy, MI 48084-4903
(248) 362-1210
/ajs

Remy J. VanOphem
Registration No. 27053

Certificate under 37 CFR §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Assignments, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 14, 2003.

Date: August 14, 2003


Remy J. VanOphem, Reg. No. 27053

RECORDATION FORM – ADDITIONAL PAGE

CONTINUATION OF ITEM 4.

A. Patent Application No.(s)	B. Patent No.(s)
09/430,574	5,375,327
09/684,210	5,282,370
10/012,123	5,419,157
10/310,172	5,471,854
09/977,149	5,860,681 6,125,651 6,328,073 B1 5,970,738 4,675,971 4,628,704 5,855,293 6,199,261 B1 5,904,055 6,041,618 5,787,729 6,311,514 B1 5,746,065 6,167,720 6,308,736 B1 5,966,810 5,984,376 6,318,765 6,193,283 6,431,614 B1 6,481,241 B1 6,386,593 B1 6,438,972 B1

The date of receipt at the Patent Office stamped hereon is acknowledgment of receipt of the following:

Type: Assignee Name Change Recordation Transmittal

Serial No(s): 09/430,574; 09/684,210; 10/012,123; 10/310,172; 09/927,149;
Patent No(s): 5,375,327; 5,282,370; 5,419,157; 5,471,854; 5,860,681; 6,125,651;
6,328,073 B1; 5,970,738; 4,675,971; 4,628,704; 5,855,293; 6,199,261 B1; 5,904,055;
6,041,618; 5,787,729; 6,311,514 B1; 5,746,065; 6,167,720; 6,308,736 B1; 5,966,810;
5,984,376; 6,318,765; 6,193,283; 6,431,614 B1; 6,481,241 B1; 6,386,593 B1;
6,438,972 B1

Enclosing: Assignment Recordation Transmittal including PTO 1595,
List of Applications and Patents, check for \$1360.00, and Postcard.

Attorney Docket: FTP010